

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge ~~PADRE ISLAND - Port Royal, SC~~

Winter 1995/96

Brunswick Ga

DAILY REPORT

Date: 12/31/95 Loads: 1 & 2 Bridge Watch: Start Time 08:45 End Dark
 Area(s) Worked: ST 144 31° 06.72' N 81° 21.25' W To ST - 270 31° 05.57' N 81° 21.25' W
 Weather: Beau. Sea State 0 Wind Dir. SE Wind Speed 1 Cloud Cover(%) Fog
 H₂O Surface Temp. 10° Air Temp. 12 (H) 11 (L) Celsius X Farenheit

Sighting # 1. Time Vessel Location (lat/long) X
 Species Observed # of Animals
 Comments:

Sighting # 2. Time Vessel Location (lat/long) X
 Species Observed # of Animals
 Comments:

Sighting # 3. Time Vessel Location (lat/long) X
 Species Observed # of Animals
 Comments:

Summary of Small Cetacean Sightings

| Species | # of Animals | Time | Location & Comments |
|---------|--------------|------|---------------------|
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Comments or Incidents of Concern? arrived Brunswick 06:00
Dodge Island also working this channel
heavy fog all day vis 100-200 meters
slow ball to dump

(see attached page)

Observer(s) On Duty: Janis Ayers

ENDANGERED SPECIES OBSERVER PROGRAMDredge PADRE ISLAND - Port Royal, SC

Winter 1995/96

Brunswick, Ga**DAILY REPORT**

Date: 1/12/96 Loads: 5 to 8 Bridge Watch: Start Time 06:45 End Dark
 Area(s) Worked: ST 270 31°05.57'N 81°19.25'W ST 144 31°06.72'N 81°21.25'W
 Weather: Beau. Sea State 3-4 Wind Dir. SW Wind Speed 12-18 Cloud Cover(%) Fog - 50%
 H₂O Surface Temp. 10° Air Temp. 16°(H) 13°(L) Celsius X Farenheit

Sighting # 1. Time Vessel Location (lat/long) X
 Species Observed # of Animals
 Comments:

Sighting # 2. Time Vessel Location (lat/long) X
 Species Observed # of Animals
 Comments:

Sighting # 3. Time Vessel Location (lat/long) X
 Species Observed # of Animals
 Comments:

Summary of Small Cetacean Sightings

| Species | # of Animals | Time | Location & Comments |
|---------|--------------|------|---------------------|
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Comments or Incidents of Concern? 1-1-96 - at anchor - for Fox reasons - heavy
fog only lifted for about 1 hour - no sightings - H₂O Temp 12°C
Stopped dredging at app 23:00 12-31-95 resumed at 00:30 1-2-96
No survey today due to forecasted weather SK tonight (slow pull)
No sightings

Load # 8 ST -270 To ST 144 31°06.72'N 81°21.25'W a shorter cut
 (see attached page)

Observer(s) On Duty: Jamie Dyer

ENDANGERED SPECIES OBSERVER PROGRAMDredge PADRE ISLAND - Port Royal, SC

Winter 1995/96

Brunswick, Ga**DAILY REPORT**

Date: 1/13/96 Loads: 10-12 Bridge Watch: Start Time 06:45 End Dusk
Area(s) Worked: ST-270 ^{31°05.57'N} 81°19.25'W ST-144 ^{31°06.72'N} 81°21.25'W
Weather: Beau. Sea State 2-5 Wind Dir. W-WNW Wind Speed 12-20 Cloud Cover(%) 95-100%
H₂O Surface Temp. 10° Air Temp. 12° (H) 10° (L) Celsius X Farenheit _____

Sighting # 1. Time _____ Vessel Location (lat/long) _____ X _____
Species Observed _____ # of Animals _____

Comments: _____

Sighting # 2. Time _____ Vessel Location (lat/long) _____ X _____
Species Observed _____ # of Animals _____

Comments: _____

Sighting # 3. Time _____ Vessel Location (lat/long) _____ X _____
Species Observed _____ # of Animals _____

Comments: _____

Summary of Small Cetacean Sightings

| Species | # of Animals | Time | Location & Comments |
|---------|--------------|-------|---------------------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

Comments or Incidents of Concern? They were able to fly a survey
today and sighted no whales

loads ranged from 5 to 6 cuts - no whales sighted

No sightings

(see attached page)

Observer(s) On Duty: Janie Bryan

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge ~~PADRE ISLAND~~ - Port Royal, SC

Winter 1995/96 *Brunswick, Ga.*

DAILY REPORT

Date: 1/4/96 Loads: 15-18 Bridge Watch: Start Time 06:45 End Dark
 Area(s) Worked: ST-270 ^{31°03.57'N} 81°19.35'W to ST 144 ^{31°06.72'N} 81°21.25'W
 Weather: Beau. Sea State 1-2 Wind Dir. NW-S Wind Speed 1 to 8 k Cloud Cover(%) 0-30%
 H₂O Surface Temp. 10° Air Temp. 17° (H) 4° (L) Celsius X Farenheit

Sighting # 1. Time Vessel Location (lat/long) X
 Species Observed # of Animals
 Comments:

Sighting # 2. Time Vessel Location (lat/long) X
 Species Observed # of Animals
 Comments:

Sighting # 3. Time Vessel Location (lat/long) X
 Species Observed # of Animals
 Comments:

Summary of Small Cetacean Sightings

| Species | # of Animals | Time | Location & Comments |
|----------------------|--------------|--------------|---|
| <u>T₂</u> | <u>2</u> | <u>12:25</u> | <u>4 mile NE of channel</u> ^{31°04.44'N} <u>81°47.31'W</u> |
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Comments or Incidents of Concern? all loads 6 cuts
15:10 contacted by survey plane - no sightings - will
proceed to dump at regular speed tonight
may shrimp baits out again today

(see attached page)

Observer(s) On Duty: *Janie Stoy*

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge ~~PADRE ISLAND~~ - Port Royal, SC

Winter 1995/96

Brunswick, Ga

DAILY REPORT

Date: 1/15/96 Loads: 22 To 26 Bridge Watch: Start Time 06:45 End dark
 Area(s) Worked: ST-220 31°06.04'N 81°20.03'W To ST-150 31°06.69'N 81°21.15'W
 Weather: Beau. Sea State 1 To 2 Wind Dir. WNW-SE Wind Speed 4-8 Cloud Cover(%) 0-20%
 H₂O Surface Temp. 10° Air Temp. 13° (H) 6° (L) Celsius X Farenheit

Sighting # 1. Time Vessel Location (lat/long) X
 Species Observed # of Animals
 Comments:

Sighting # 2. Time Vessel Location (lat/long) X
 Species Observed # of Animals
 Comments:

Sighting # 3. Time Vessel Location (lat/long) X
 Species Observed # of Animals
 Comments:

Summary of Small Cetacean Sightings

| Species | # of Animals | Time | Location & Comments |
|-----------|--------------|--------------|--|
| <u>T?</u> | <u>1</u> | <u>12:30</u> | <u>1/4 mile NE #9 channel marker -</u> |
| <u>T?</u> | <u>2</u> | <u>13:00</u> | <u>31°06.69'N X 81°21.15'W</u> |
| <u>T?</u> | <u>2</u> | <u>09:15</u> | <u>31°06.68'N X 81°21.14'W SW of channel</u> |
| | | | |
| | | | |

Comments or Incidents of Concern?

survey plane sighted 2 juveniles within 9 miles star
bell tonight

1 To 2 eels in new area mostly sand (some ocr
but different side of channel)

(see attached page)

Observer(s) On Duty: Janie Ayer

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge ~~PADRE ISLAND~~ - Port Royal, SC

Winter 1995/96 Brunswick, Ga

DAILY REPORT

Date: 11/6/96 Loads: 30 to 33 Bridge Watch: Start Time 06:45 End Dark
 Area(s) Worked: ST-220 ^{31°06.04'N} 81°20.03'W To ST-150 ^{31°06.64'N} 81°21.15'W
 Weather: Beau. Sea State 0-2 Wind Dir. N-NE Wind Speed 4-9K Cloud Cover(%) 2-90%
 H₂O Surface Temp. 11° Air Temp. 17° (H) 10° (L) Celsius 8 Farenheit

Sighting # 1. Time Vessel Location (lat/long) X
 Species Observed # of Animals
 Comments:

Sighting # 2. Time Vessel Location (lat/long) X
 Species Observed # of Animals
 Comments:

Sighting # 3. Time Vessel Location (lat/long) X
 Species Observed # of Animals
 Comments:

Summary of Small Cetacean Sightings

| Species | # of Animals | Time | Location & Comments |
|-----------|--------------|--------------|--------------------------------|
| <u>T7</u> | <u>5</u> | <u>11:46</u> | <u>NE of 2A channel marker</u> |
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Comments or Incidents of Concern? all loads 1 to 2 cuts

received word 20:00 that job will end tomorrow at
0800

slow ball tonight seems at whales seen by
plane survey (see attached page)

Observer(s) On Duty: Junior Bryan

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge PADRE ISLAND - Port Royal, SC Brunswick Co.
Winter 1995/96

WEEKLY SUMMARY

Dates: 12/31/95 - 1/7/96 Range of H₂O Surface Temperature: 10° - 12° C

Area(s) Worked: 12-31 to 1-4 ST 144 31° 06.72' N 81° 21.25' W ST - 270 31° 05.57' N 80° 21.25' W

12-5 to 1-7 ST - 220 31° 06.04' N 81° 20.03' W ST - 150 31° 06.69' N 81° 21.15' W

Were there large whale species sighted within 0.25 nautical mile of the dredge (list date, time, sighting #)?

No

Summary of All Cetacean Sightings

| Date | Time | Species | Comments |
|---------------|--------------|---------------|--|
| <u>1/4/96</u> | <u>12:25</u> | <u>T+ (2)</u> | <u>1/4 mile NE of channel</u> |
| <u>1/1</u> | | | <u>31° 04.44' N</u> <u>81° 47.31' W</u> |
| <u>1/5/96</u> | <u>12:30</u> | <u>T+ (1)</u> | <u>1/4 mile NE of channel marker</u> |
| <u>1/5/96</u> | <u>13:00</u> | <u>T+ (2)</u> | <u>31° 06.69' N x 81° 21.15' W</u> |
| <u>1/5/96</u> | <u>09:15</u> | <u>T+ (2)</u> | <u>same location</u> |
| <u>1/6/96</u> | <u>11:46</u> | <u>T+ (5)</u> | <u>NE of 2A channel marker</u> |
| <u>1/7/96</u> | <u>08:44</u> | <u>T+ (1)</u> | <u>center channel by 2A</u> |
| <u>1/1</u> | | | |
| <u>1/1</u> | | | |
| <u>1/1</u> | | | |
| <u>1/1</u> | | | |
| <u>1/1</u> | | | |
| <u>1/1</u> | | | |
| <u>1/1</u> | | | |

Comments: 12-31 to 1-1 heavy fog vis 100-200m 1-1-96 at anchor
12-31 to 1-2 slow ball at night due to fog & no survey
1-5 survey plane located 2 Egs within 9 miles slow ball
1-6 slow ball whales sighted by survey plane

12-7 Padre Islands ends work in Brunswick
at 12:00 2 leave ship.

Observers On Duty: Janie Dwyer

Winter 1995/96

Observer(s) On Duty: Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAMDredge *PADRE ISLAND* - Brunswick

Winter 1995/96

DAILY REPORTDate: 01/ 10/ 96 Loads: 47-50 Bridge Watch: Start Time 0700 End 1730Area(s) Worked: _____ Stations 170-192Weather: Beau. Sea State 2-4 Wind Dir. NW Wind Speed 5-15 Cloud Cover(%) 0H₂O Surface Temp. 50 Air Temp. 50 (H) 40 (L) Celsius _____ Farenheit X

Sighting # 1. Time _____ Vessel Location (lat/long) _____ X

Species Observed _____ # of Animals _____

Comments: _____

Sighting # 2. Time _____ Vessel Location (lat/long) _____ X

Species Observed _____ # of Animals _____

Comments: _____

Sighting # 3. Time _____ Vessel Location (lat/long) _____ X

Species Observed _____ # of Animals _____

Comments: _____

Summary of Small Cetacean Sightings

| Species | # of Animals | Time | Location & Comments |
|---------|--------------|------|---------------------|
| Tt | 2 | 0750 | Near buoy 17 |
| Tt | 1 | 1108 | Near buoy 8 |
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| | | | |

Comments or Incidents of Concern? Aerial survey plane reports 3 right
whales in the project area, slow bell tonight in effect.

(see attached page)

Observer(s) On Duty: Eric Westerman

Dredge *PADRE ISLAND* - Brunswick

DAILY REPORT

Area(s) Worked: Stations 170-192

H₂O Surface Temp. 49 F Air Temp. 54 (H) 45 (L) Celsius _____ Fahrenheit ^X

| Species Observed | # of Animals |
|------------------|--------------|
|------------------|--------------|

Comments: _____

Species Observed _____ # of Animals _____

Comments: _____

| | |
|-----------------------|--------------------|
| Species Observed_____ | # of Animals _____ |
|-----------------------|--------------------|

Comments: _____

| Species | # of Animals | Time | Location & Comments |
|---------|--------------|------|---------------------|
| Tt | 1 | 0928 | Near buoy 13 |

| | | | |
|----|---|------|-----------|
| Tt | 1 | 1014 | Near dump |
|----|---|------|-----------|

Comments or Incidents of Concern? Project completed at 1100.

(see attached page)

Observer(s) On Duty: Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAMDredge *PADRE ISLAND* - Brunswick

Winter 1995/96

DAILY REPORT

Date: 01 / 11 / 96 Loads: 54-55 Bridge Watch: Start Time 0645 End 1730

Area(s) Worked: Stations 170-192-252-254

Weather: Beau. Sea State 1 Wind Dir. Wind Speed ^{Light} ~~Airs~~ Cloud Cover(%) 0-90H₂O Surface Temp. 48 F Air Temp. 58 (H) 45 (L) Celsius Farenheit X

Sighting # 1. Time 0945 Vessel Location (lat/long) 31-05'-00"N X 81-18'-00"W

Species Observed *Eubalaena glacialis* # of Animals 2

Comments: Mother and calf sighted between the disposal site and channel.

Dredge kept a safe distance from the animals as dredge went to the dump.

Sighting # 2. Time 1522 Vessel Location (lat/long) 31-02'-30"N X 81-17'-00W

Species Observed Only sighted blow # of Animals 1

Comments: The blow was sighted about 3 miles south of the first sighting in

the morning. Aerial survey plane confirmed mother and calf pair in the

Sighting # 3. Time Vessel Location (lat/long) X area.

Species Observed # of Animals

Comments:

Summary of Small Cetacean Sightings

| Species | # of Animals | Time | Location & Comments |
|---------|--------------|------|---------------------|
| Tt | 3 | 0908 | Near buoy 13 |
| Tt | 1 | 0913 | Near buoy 11 |
| Tt | 1 | 0915 | Near buoy 12 |
| Tt | 2 | 0919 | Near buoy 9 |
| Tt | 4 | 1455 | Near buoy 12 |

Comments or Incidents of Concern? By observer on the dredge and aerial survey

plane confirmed right whale mother and calf pair in the disposal

area of the project. Slow bell observed tonight. Photographs of
the whales taken from the dredge.

(see attached page)

Observer(s) On Duty: Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Padre Island

Project Brunswick

Date: 01/11 / 96

Load # 54 Times: Start 0815 End 0844 Dump 0958

Location In Channel: Stations 251-254 170-192

Beau. Sea State 1 Wind: Direction Light airSpeed 3 Cloud Cover (%) 0

H₂O Surf Temp 48 (Cel. or Far, circle one) Tide: H HE LE L LF HF (circle one)

Port Draghead: Rope Deflector: ok Stbd Draghead: 0 Deflector: ok

Sighting # 1. Time 0945 Vessel Location (lat/long) 31-05'-00" N X 81-18'-00" W

Magnetic Bearing to Sighting // Estimated Distance 1 mile

Species Observed Eubalaena glacialis # of Animals 2

Direction of Travel: Vessel SE Whales SW

Comments (Visual description-- length, color, flukes, etc.; behaviors observed, respiration rates, duration of observation): Between the disposal sight and channel observer sighted

a right whale and calf. Dredge kept a distance of approximately
half mile from the animals. The whales were stationary as observer
watched them through the dump cycle. Photographs were take of the
animals. The mother whale was sighted more than the calf. The whales
were sighted from 0945 to 1017 when dredge traveled back to the cut.

Sighting # 2. Time _____ Vessel Location (lat/long) _____ X _____

Magnetic Bearing to Sighting _____ Estimated Distance _____

Species Observed _____ # of Animals _____

Direction of Travel: Vessel _____ Whales _____

Comments (Visual description-- length, color, flukes, etc.; behaviors observed, respiration rates, duration of observation): _____

General Observations: 3 Tt 13# 0908, 1 Tt 11# 0913, 1 Tt 12# 0915, 2 Tt 9# 0919

(see attachments for additional info)

Eric Westerman

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Padre Island

Project Bruswick

Date: 01/ 11/ 96

Load # 55 Times: Start 1114 End 1406 Dump 1518

Location In Channel: Stations 252-254

Beau. Sea State 1 Wind: Direction Light airSpeed 3 Cloud Cover (%) 90

H₂O Surf. Temp 48 (Cel. or F, circle one) Tide: HE LE L LF HF (circle one)

Port Draghead: 0 Deflector: ok Stbd Draghead: 0 Deflector: ok

Sighting # 1. Time 1522 Vessel Location (lat/long) 31-02'-30" N X 81-17-00 W

Magnetic Bearing to Sighting 210 Estimated Distance 1 1/2 miles

Species Observed Only sight blow # of Animals 1

Direction of Travel: Vessel N Whales S

Comments (Visual description-- length, color, flukes, etc.; behaviors observed, respiration rates, duration of observation): Sighted a large V shaped blow at 1522. This area the
blow was in is approximately 3 miles south of the cow/calf
sighting at 0945. Whale survey plane reported a cow/calf
sighting in this area when they check the area. This is
assumed to be the same pair of whales sighted in the morning
moving south.

Sighting # 2. Time _____ Vessel Location (lat/long) _____ X _____

Magnetic Bearing to Sighting _____ Estimated Distance _____

Species Observed _____ # of Animals _____

Direction of Travel: Vessel _____ Whales _____

Comments (Visual description-- length, color, flukes, etc.; behaviors observed, respiration rates, duration of observation): _____

General Observations: 4 Tt buoy 12. 1455. Dredge observed slow bell
tonight.

(see attachments for additional info)

Eric Westerman

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Padre ISLAND - Brunswick, GA

Winter 1995/96

WEEKLY SUMMARYDates: 01/09 / 96 - 01/12 / 96 Range of H₂O Surface Temperature: 48-50 FArea(s) Worked: Stations 170-192-252-254

Were there large whale species sighted within 0.25 nautical mile of the dredge (list date, time, sighting #)?

No**Summary of All Cetacean Sightings**

| Date | Time | Species | Comments |
|-------------------|-------------|--------------------------|--|
| <u>01/09 / 96</u> | <u>1639</u> | <u>Tt</u> | <u>6 Near buoy 8</u> |
| <u>01/10 / 96</u> | <u>0750</u> | <u>Tt</u> | <u>2 Near buoy 17</u> |
| <u>01/10 / 96</u> | <u>1108</u> | <u>Tt</u> | <u>1 Near buoy 8</u> |
| <u>01/11 / 96</u> | <u>0908</u> | <u>Tt</u> | <u>3 Near buoy 13</u> |
| <u>01/11 / 96</u> | <u>0913</u> | <u>Tt</u> | <u>1 Near buoy 11</u> |
| <u>01/11 / 96</u> | <u>0915</u> | <u>Tt</u> | <u>1 Near buoy 12</u> |
| <u>01/11 / 96</u> | <u>0919</u> | <u>Tt</u> | <u>2 Near buoy 9</u> |
| <u>01/11 / 96</u> | <u>1455</u> | <u>Tt</u> | <u>4 Near buoy 12</u> |
| <u>01/11 / 96</u> | <u>0945</u> | <u>Eg</u> | <u>Right whales 2, mother/calf</u> |
| <u>01/11 / 96</u> | <u>1522</u> | <u>Sighted only blow</u> | <u>Aerial survey confirmed Eg pair</u> |
| <u>01/12 / 96</u> | <u>0928</u> | <u>Tt</u> | <u>1 Near buoy 13</u> |
| <u>01/12 / 96</u> | <u>1014</u> | <u>Tt</u> | <u>1 Near dump</u> |
| <u>/ /</u> | <u></u> | <u></u> | <u></u> |
| <u>/ /</u> | <u></u> | <u></u> | <u></u> |

Comments: On the 10th and 11th slow bell was in effect due to
right whales sighted in the project area.

Eric Westerman

Observers On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAMDredge *PADRE ISLAND* - Brunswick

Winter 1995/96

DAILY REPORTDate: 01 / 11 / 96 Loads: 54-55 Bridge Watch: Start Time 0645 End 1730Area(s) Worked: Stations 170-192-252-254Weather: Beau. Sea State 1 Wind Dir. Wind Speed Light Cloud Cover(%) 0-90
AirsH₂O Surface Temp. 48 F Air Temp. 58 (H) 45 (L) Celsius Farenheit XSighting # 1. Time 0945 Vessel Location (lat/long) 31-05'-00"N X 81-18'-00"WSpecies Observed Eubalaena glacialis # of Animals 2Comments: Mother and calf sighted between the disposal site and channel.Dredge kept a safe distance from the animals as dredge went to the dump.Sighting # 2. Time 1522 Vessel Location (lat/long) 31-02'-30"N X 81-17'-00WSpecies Observed Only sighted blow # of Animals 1Comments: The blow was sighted about 3 miles south of the first sighting inthe morning. Aerial survey plane confirmed mother and calf pair in the
area.Sighting # 3. Time Vessel Location (lat/long) X Species Observed # of Animals Comments: **Summary of Small Cetacean Sightings**

| Species | # of Animals | Time | Location & Comments |
|-----------|--------------|-------------|---------------------|
| <u>Tt</u> | <u>3</u> | <u>0908</u> | <u>Near buoy 13</u> |
| <u>Tt</u> | <u>1</u> | <u>0913</u> | <u>Near buoy 11</u> |
| <u>Tt</u> | <u>1</u> | <u>0915</u> | <u>Near buoy 12</u> |
| <u>Tt</u> | <u>2</u> | <u>0919</u> | <u>Near buoy 9</u> |
| <u>Tt</u> | <u>4</u> | <u>1455</u> | <u>Near buoy 12</u> |

Comments or Incidents of Concern? By observer on the dredge and aerial surveyplane confirmed right whale mother and calf pair in the disposalarea of the project. Slow bell observed tonight. Photographs of
the whales taken from the dredge.

(see attached page)

Observer(s) On Duty: Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Padre Island

Project Bruswick

Date: 01/ 11/ 96

Load # 55 Times: Start 1114 End 1406 Dump 1518
 Location In Channel: Stations 252-254
 Beau. Sea State 1 Wind: Direction Light air Speed 3 Cloud Cover (%) 90
 H₂O Surf. Temp 48 (Cel. or Far., circle one) Tide: H HE LE L LF HF (circle one)
 Port Draghead: 0 Deflector: ok Stbd Draghead: 0 Deflector: ok

Sighting # 1. Time 1522 Vessel Location (lat/long) 31-02'-30" N X 81-17-00 W
 Magnetic Bearing to Sighting 210 Estimated Distance 1 1/2 miles
 Species Observed Only sight blow # of Animals 1
 Direction of Travel: Vessel N Whales S

Comments (Visual description-- length, color, flukes, etc.; behaviors observed, respiration rates, duration of observation): Sighted a large V shaped blow at 1522. This area the
blow was in is approximately 3 miles south of the cow/calf
sighting at 0945. Whale survey plane reported a cow/calf
sighting in this area when they check the area. This is
assumed to be the same pair of whales sighted in the morning
moving south.

Sighting # 2. Time _____ Vessel Location (lat/long) _____ X _____
 Magnetic Bearing to Sighting _____ Estimated Distance _____
 Species Observed _____ # of Animals _____
 Direction of Travel: Vessel _____ Whales _____

Comments (Visual description-- length, color, flukes, etc.; behaviors observed, respiration rates, duration of observation): _____

General Observations: 4 Tt buoy 12 1455. Dredge observed slow bell
tonight.

(see attachments for additional info)

Eric Westerman

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Padre Island

Project Brunswick

Date: 01/11 / 96

Load # 54 Times: Start 0815 End 0844 Dump 0958

Location In Channel: Stations 251-254 170-192

Beau. Sea State 1 Wind: Direction Light air Speed 3 Cloud Cover (%) 0

H₂O Surf. Temp 48 (Cel. or Far., circle one) Tide: H HE LE L LF HF (circle one)

Port Draghead: Rope Deflector: ok Stbd Draghead: 0 Deflector: ok

Sighting # 1. Time 0945 Vessel Location (lat/long) 31-05'-00" N X 81-18'-00" W

Magnetic Bearing to Sighting /// Estimated Distance 1 mile

Species Observed Eubalaena glacialis # of Animals 2

Direction of Travel: Vessel SE Whales SW

Comments (Visual description-- length, color, flukes, etc.; behaviors observed, respiration rates, duration of observation): Between the disposal sight and channel observer sighted

a right whale and calf. Dredge kept a distance of approximately

half mile from the animals. The whales were stationary as observer

watched them through the dump cycle. Photographs were take of the

animals. The mother whale was sighted more than the calf. The whales

were sighted from 0945 to 1017 when dredge traveled back to the cut.

Sighting # 2. Time _____ Vessel Location (lat/long) _____ X _____

Magnetic Bearing to Sighting _____ Estimated Distance _____

Species Observed _____ # of Animals _____

Direction of Travel: Vessel _____ Whales _____

Comments (Visual description-- length, color, flukes, etc.; behaviors observed, respiration rates, duration of observation): _____

General Observations: 3 Tt 13# 0908, 1 Tt 11# 0913, 1 Tt 12# 0915, 2 Tt 9# 0919

_____ (see attachments for additional info)

Eric Westerman

Observer(s) On Duty: _____